

Legend:



Task Receives Resource



Task Requests Resource That Is Unavailable

Figure 1

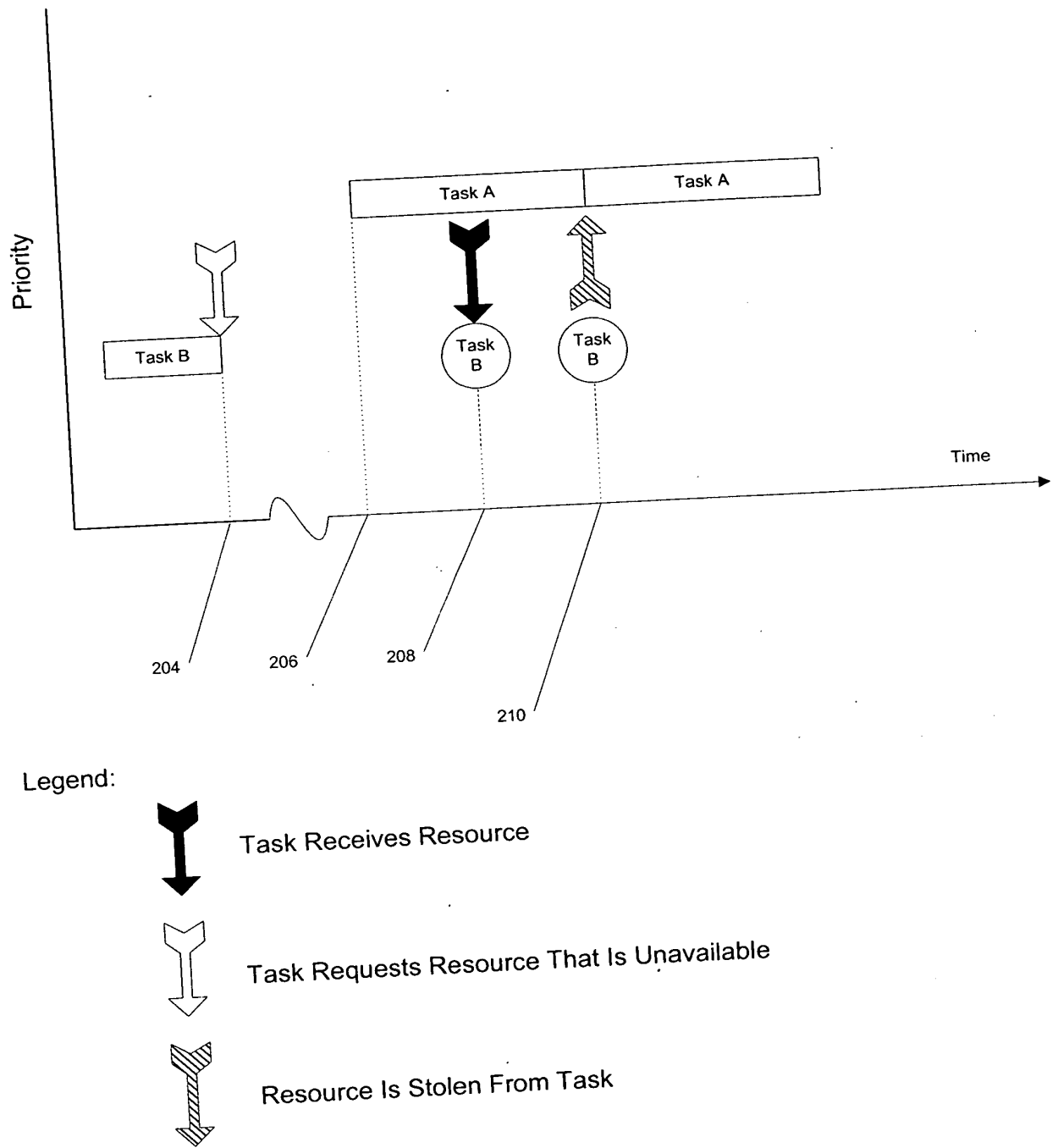


Figure 2

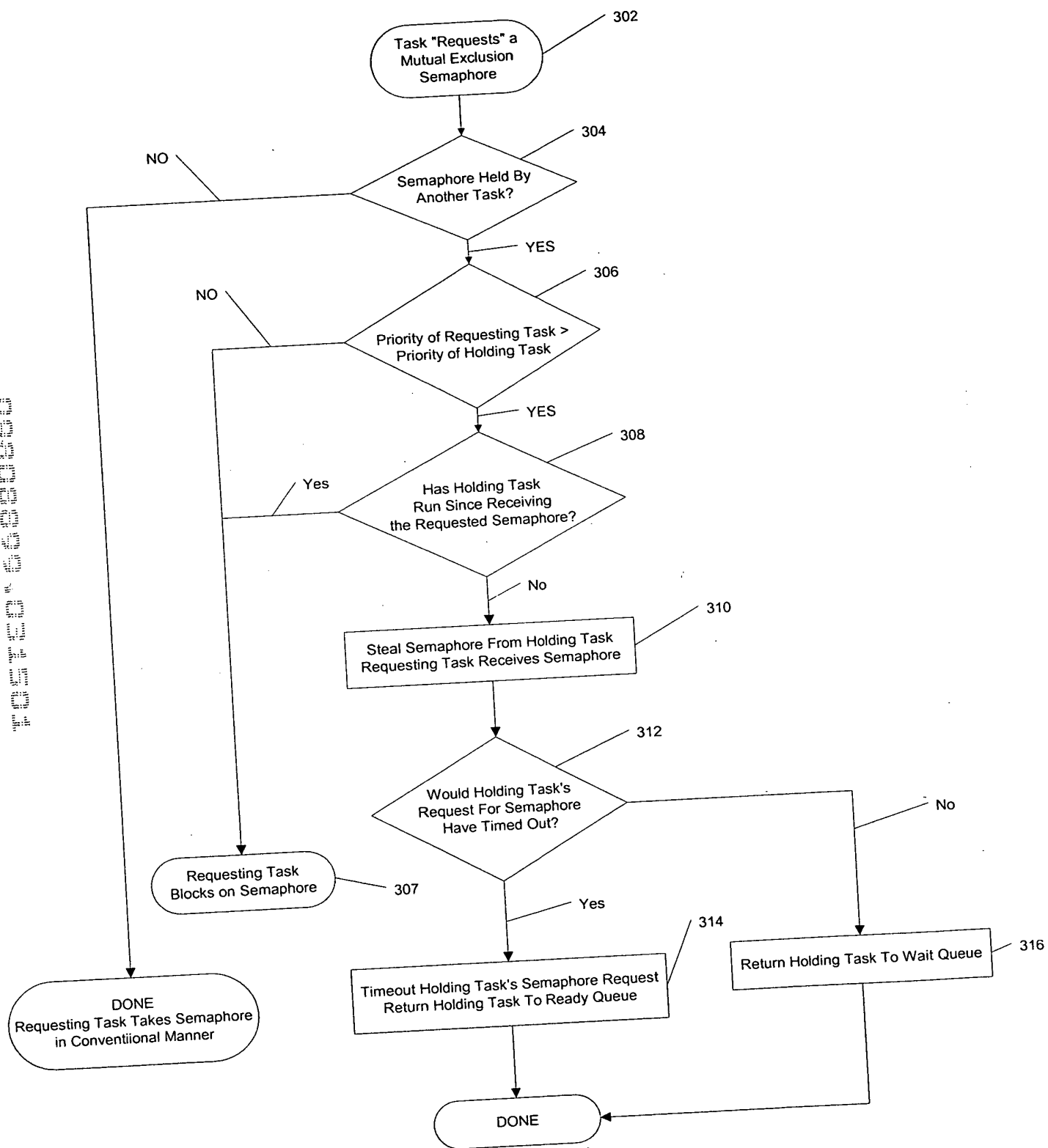


Figure 3

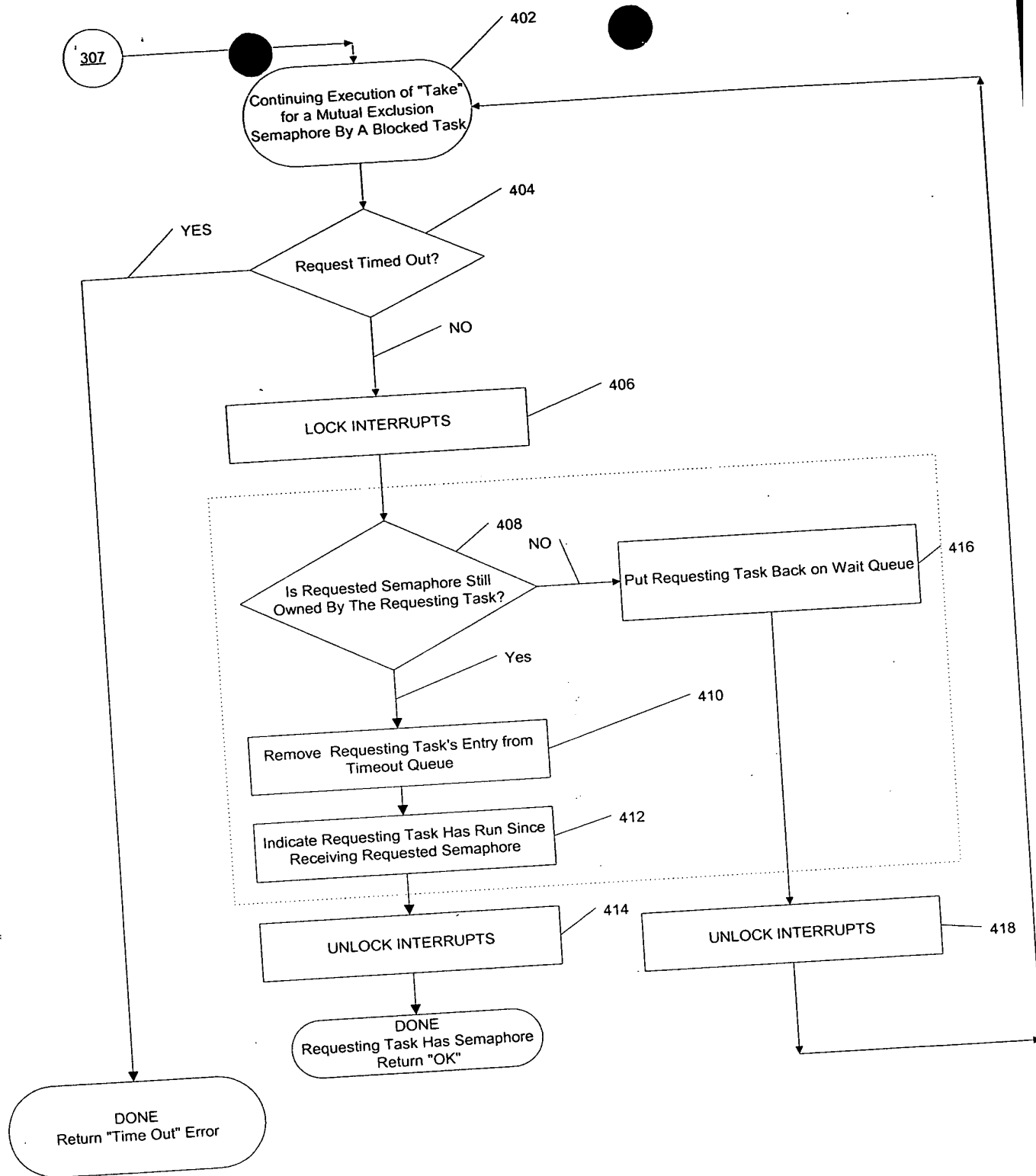


Figure 4

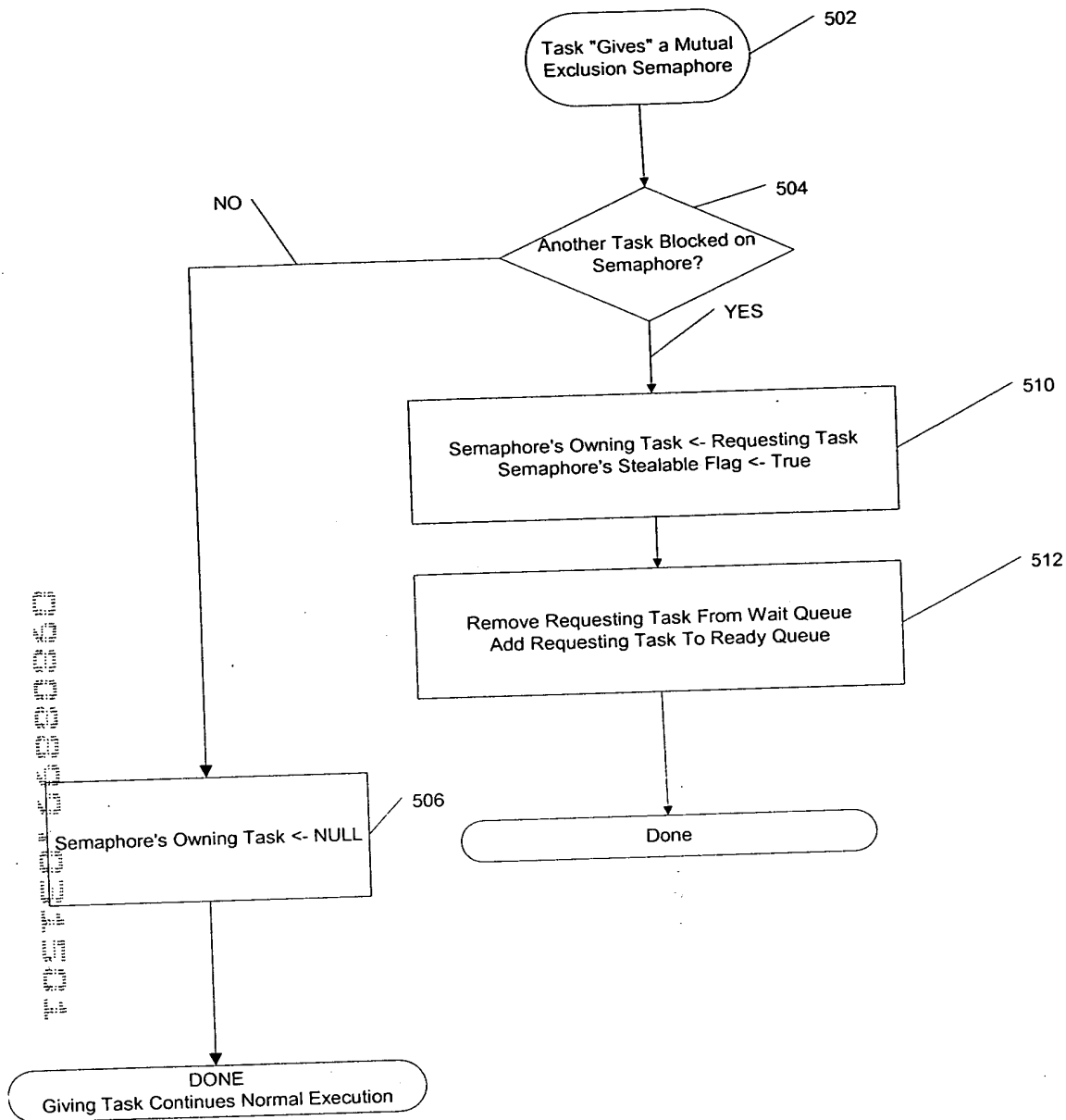


Figure 5

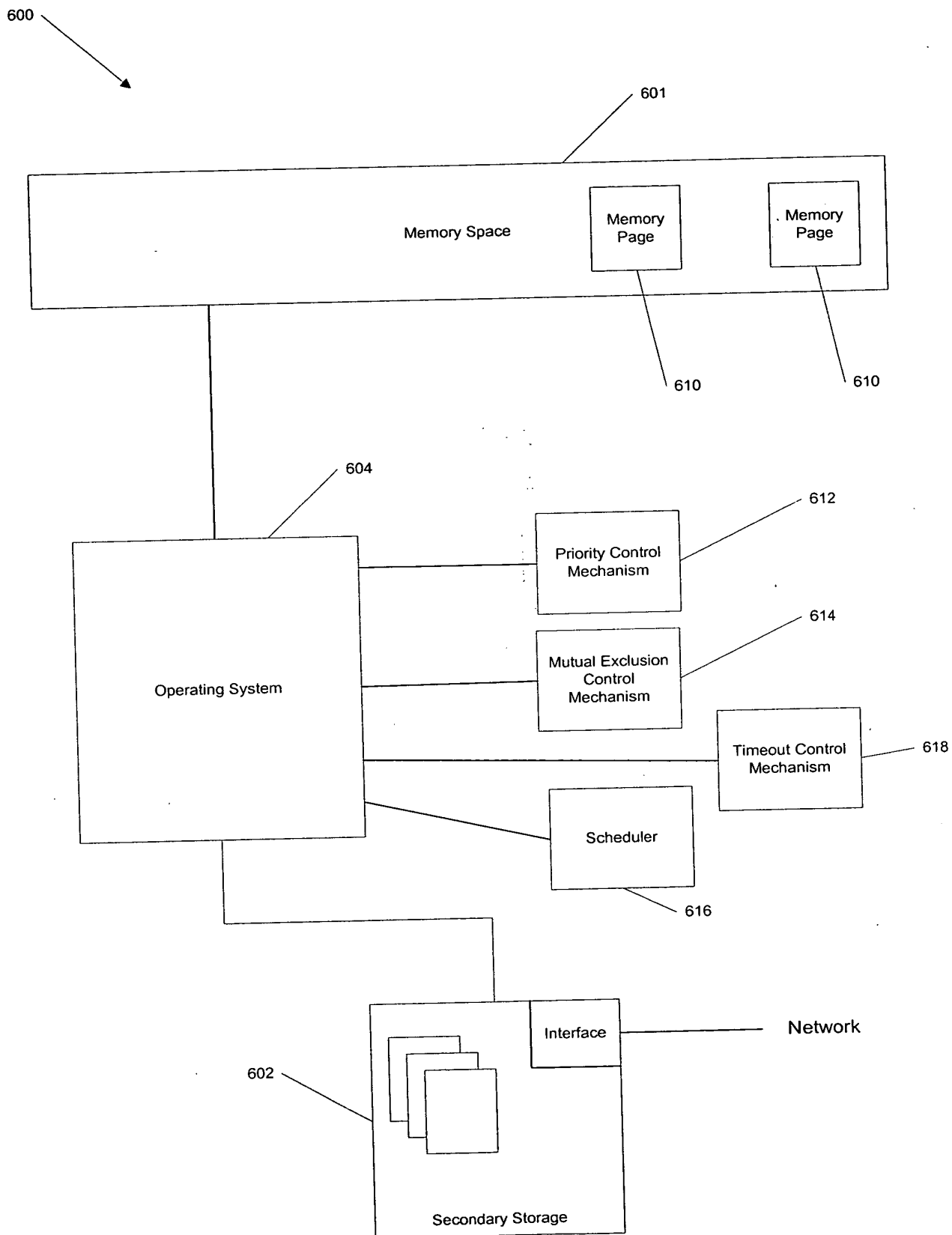


Figure 6

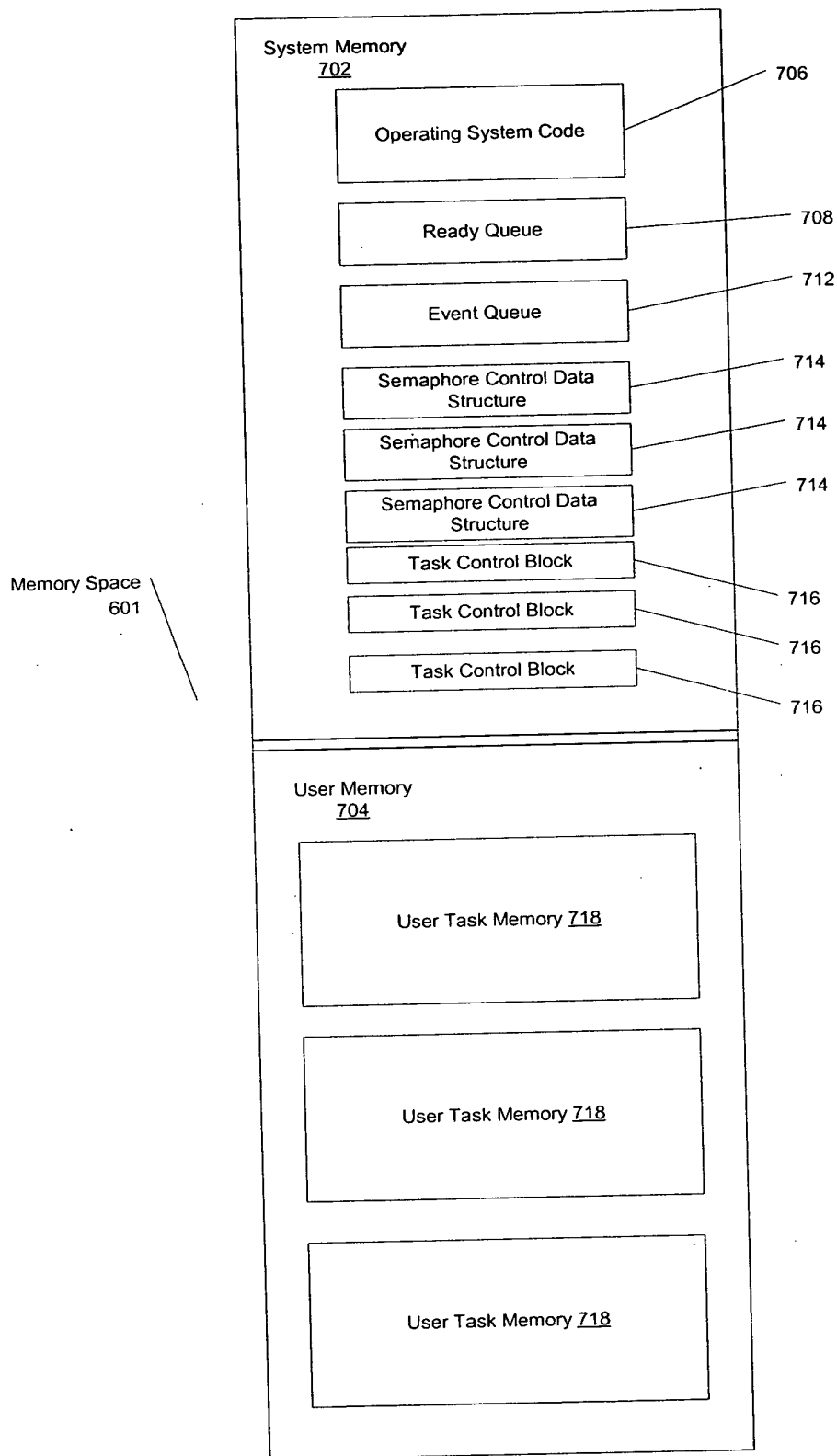
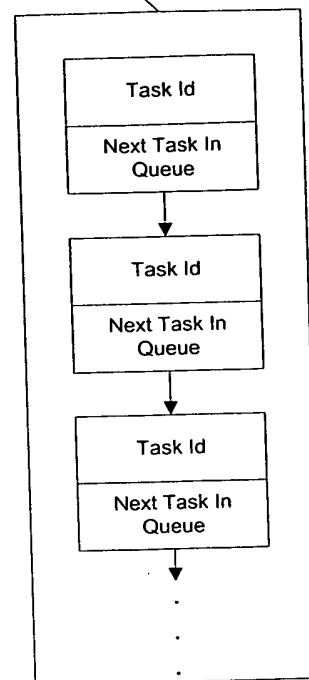
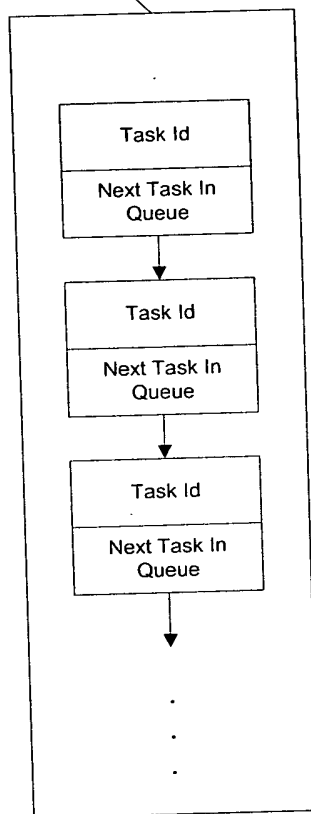
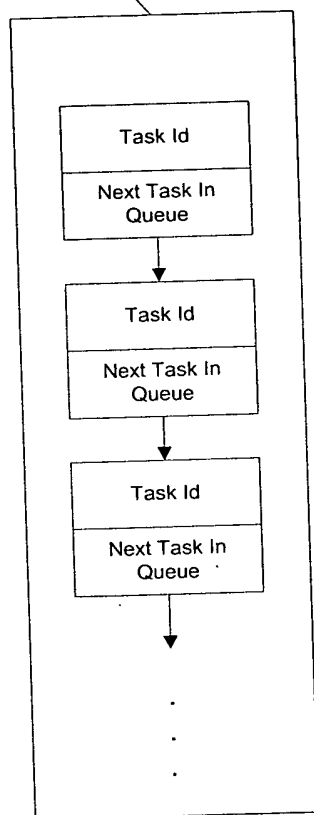


Figure 7

Semaphore Wait
Queue 806

Ready Queue
802

Timeout Queue
804



Semaphore Wait
Queue 806

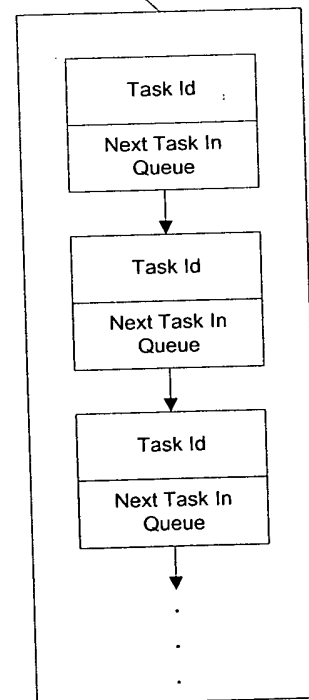


Figure 8

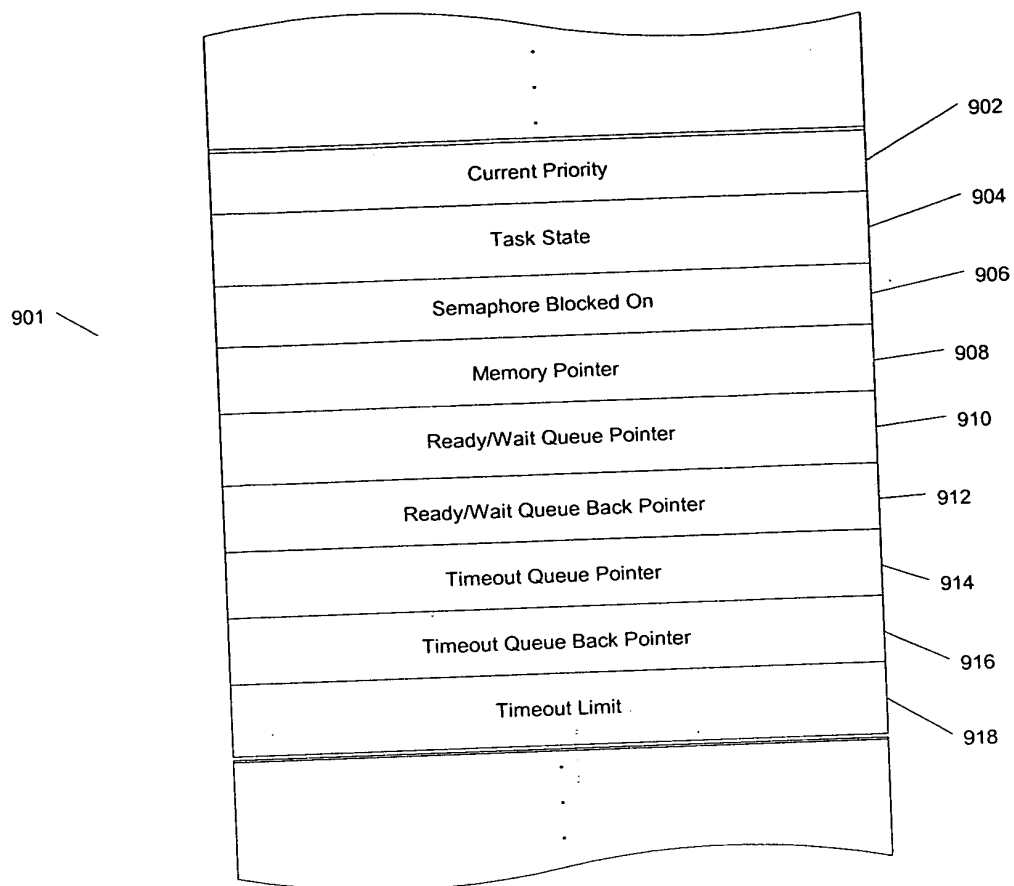


Figure 9

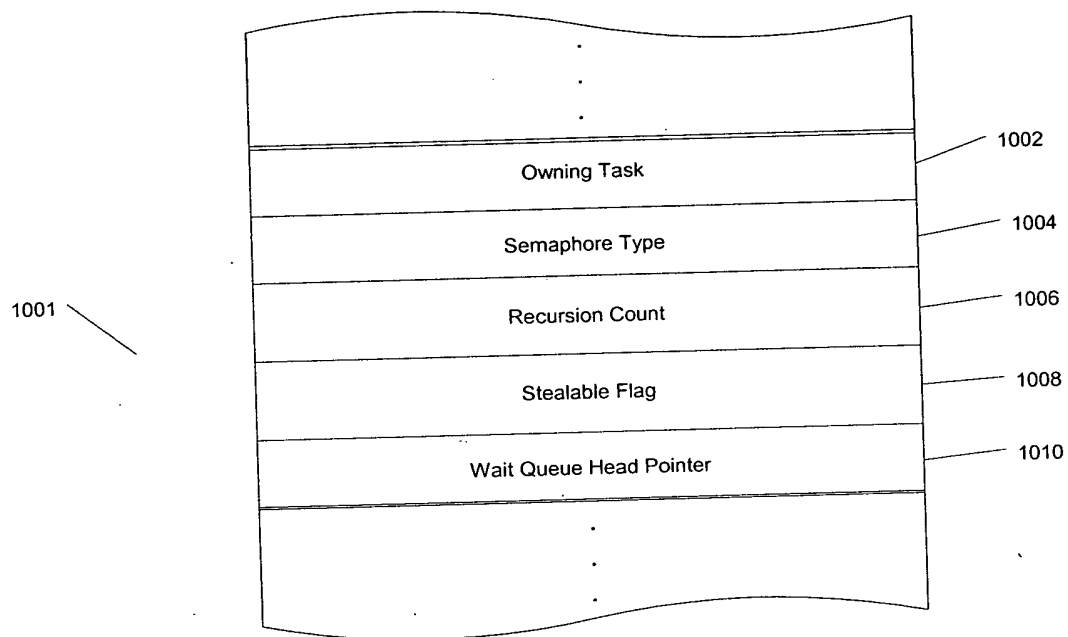


Figure 10

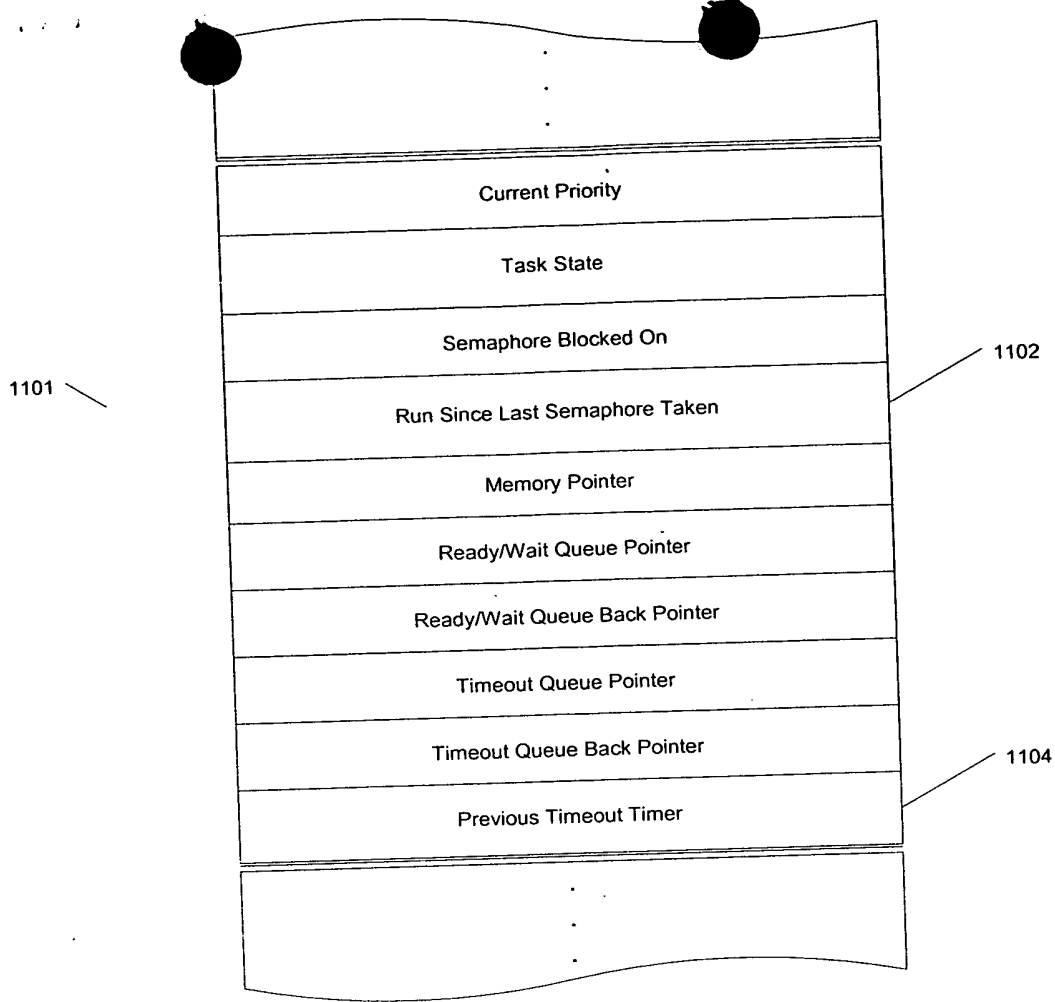


Figure 11